

Amena Saher

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SUMMARY

Graduate Computer Science student with experience in web development, databases, and application design. Skilled in HTML, CSS, JavaScript, React, and SQL. Strong problem-solving and teamwork abilities, with a focus on building accessible, user-friendly web solutions.

EDUCATION

California State University, Sacramento

2024 - Present

Master of Science, Computer Science (GPA: 3.05)

- **Coursework:** Programming Language Principles, Computability and Formal Languages, Algorithms and Paradigms, Distributed Systems

Stanley College of Engineering and Technology for Women

Jun 2019 - 2023

Bachelor of Engineering, Computer Engineering (GPA: 7.95/10)

- **Coursework:** Data Structures, Object Oriented Programming using Java, Artificial Intelligence, Machine Learning, Web Technologies

PROJECTS

Yu-gi-Oh! Cards Searcher Website | [Project Demo](#)

- A website developed to find the official Yu-Gi-Oh! cards, filter them, and sort them.
- Built using ReactJS, HTML, CSS, and JavaScript
- Implemented client-side filtering, dynamic rendering, and responsive UI for smooth user experience across devices

Amiibo Finder | [Project Demo](#)

- Developed a responsive web page using ReactJS, Tailwind CSS, and JavaScript
- Integrated with the AmiiboAPI to search and display Nintendo Amiibo data
- Designed a clean and user-friendly interface for smooth browsing on any device

Vehicle Speed Detection using Image Processing

- Developed a system to detect and track vehicles in video footage using Haar Cascade classifier and correlation-based object tracking
- Calculated vehicle speed by measuring pixel displacement and converting it to real-world units
- Improved accuracy with background subtraction and optimized region-of-interest (ROI) selection

EXPERIENCE

California State University - Computer Science Department

Aug 2025 - Present

Instructional Student Assistant

- Supporting CSC 15 and CSC 20 with programming, algorithms, and object-oriented design.
- Assisting with labs, grading, and student learning.

California State University - College of Business

Aug 2025 - Present

Instructional Student Assistant

- Assisting with ACCY 141: Accounting Information Systems and ACCY 143: Accounting Data Analytics.
- Applying **Excel, Tableau, and Alteryx** for data visualization and predictive analytics.

California State University

Jul 2025 - Aug 2025

Instructional Student Assistant

Sacramento

- Assisted students with object-oriented programming, Java, and data structures, enhancing their understanding and problem-solving skills
- Explained technical concepts during office hours, helping students improve their understanding and application of programming principles

Suvidha Foundation

Jun 2022 - Jul 2022

Web Development Intern

- Collaborated with a team of 6 web developers to create a dynamic and responsive website from the ground up using HTML, CSS, and JavaScript for the organization.
- Implemented dynamic front-end features to enhance user experience and support the foundation's outreach and educational initiatives

SKILLS

- **Front-end Development:** HTML/CSS, JavaScript, ReactJS
- **CSS Frameworks:** Bootstrap, Tailwind CSS, SASS
- **Back-end Development:** NodeJS, TypeScript, Python, Flask, ExpressJS, Java
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Design Tools:** Figma